
Public Notice

Applicant:

New York Power Authority

Date:

Published: April 10, 2002

Expires: May 10, 2002

**U.S. Army Corps
of Engineers**

In Reply Refer To:

Buffalo District **CELRB-CO-R RE:** 98-872-0012(6)

Section: NY 10 and

404

Application for Permit under Authority of
Section 10 of the Rivers and Harbors Act of 1899 and
Section 404 of the Clean Water Act (33 U.S.C. 1344).

The New York Power Authority, c/o William V. Slade, 123 Main Street, White Plains, New York 10601, has requested a Department of the Army permit to perform work along the shores of the St. Lawrence River, in the Towns of Louisville and Massena, St. Lawrence County, New York.

The applicant is proposing to repair and restore several sections of two dikes at its St. Lawrence Power Project, consisting of a total of approximately 2200 linear feet of riprap placement at the Richards Landing Dike (RLD) and 4200 linear feet of riprap placement at the Long Sault Dike (LSD). During engineering inspections, the slopes of these particular sections were identified as requiring timely attention due to subsidence of the clay foundations. The stone will be placed directly on the river bottom and existing riprap.

Approximately 18,700 cubic yards of stone riprap will be placed below the ordinary high water elevation of 242.5 feet International Great Lakes Datum (IGLD), 1985, which will cover approximately 7.85 acres of the river bottom. The work will be accomplished with the use of heavy equipment working from the land side and is proposed to start this summer, be performed in three phases, and continue until the winter of 2004.

The stated purpose of the proposed project is to stabilize the shoreline and prevent possible failure of the project area.

Location and details of the above described work are shown on the attached maps and drawings.

Questions pertaining to the work described in this notice should be directed to Elizabeth W. Stone, who can be contacted by calling (716) 879-4363, or by e-mail at: Elizabeth.W.Stone@usace.army.mil

The applicant has certified that the proposed activity complies with New York's approved Coastal Zone Management Program and will be conducted in a manner consistent with that program. Any comments on the consistency of the proposed activity with New York State's Coastal Zone Management Program should be forwarded to:

Ms. Diana Boos

New York Department of State
Division of Coastal Resources
Consistency Coordinator
Coastal Management Program
41 State Street
Albany, New York 12231-0001
Telephone (518) 486-3200

The following authorization(s) may be required for this project:

Water Quality Certification (or waiver thereof) from the New York State Department of Environmental Conservation.

There are no registered historic properties or properties listed as being eligible for inclusion in the National Register of Historic Places that will be affected by this project.

In addition, available evidence indicates that the proposed work will not affect a species proposed or designated by the U.S. Department of the Interior as threatened or endangered, nor will it affect the critical habitat of any such species.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments should be sent to the U. S. Army Corps of Engineers, 1776 Niagara Street, Buffalo, New York 14207-3199, and should be marked to the attention of Elizabeth W. Stone, or by e-mail at: Elizabeth.W.Stone@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record which is available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

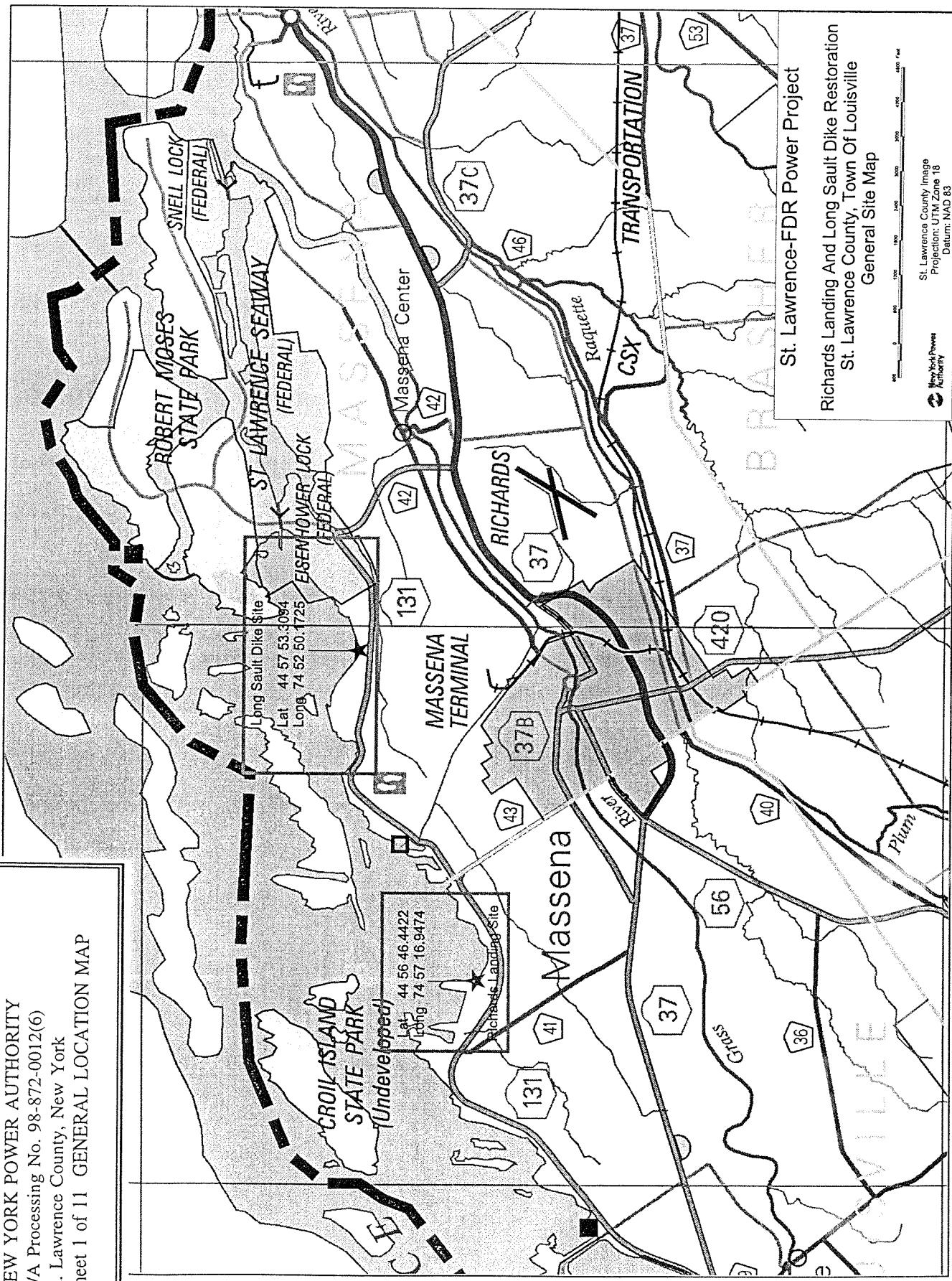
The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

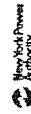
Paul G. Leuchner
Chief, Regulatory Branch

NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.

NEW YORK POWER AUTHORITY
D/A Processing No. 98-872-0012(6)
St. Lawrence County, New York
Sheet 1 of 11 GENERAL LOCATION MAP

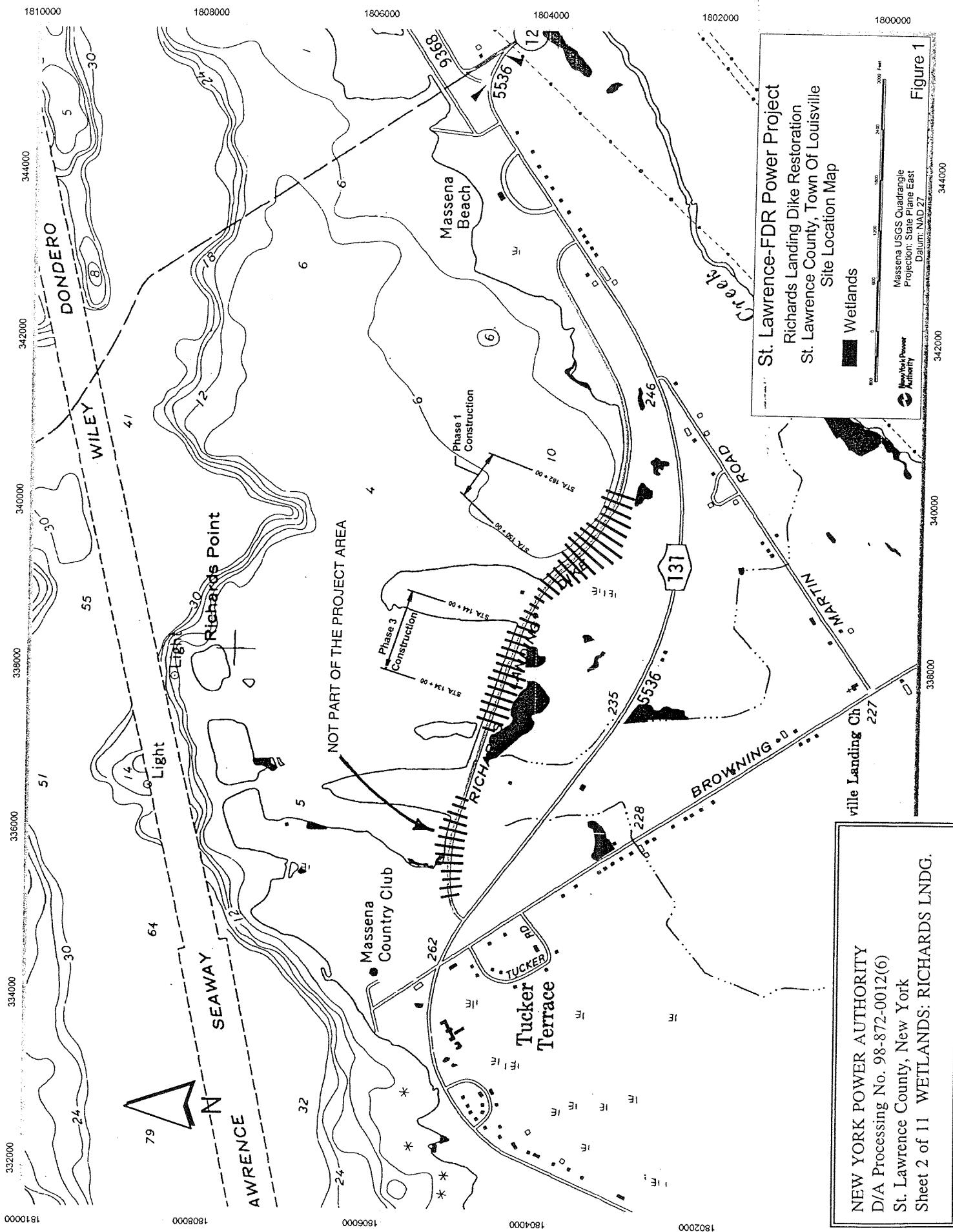


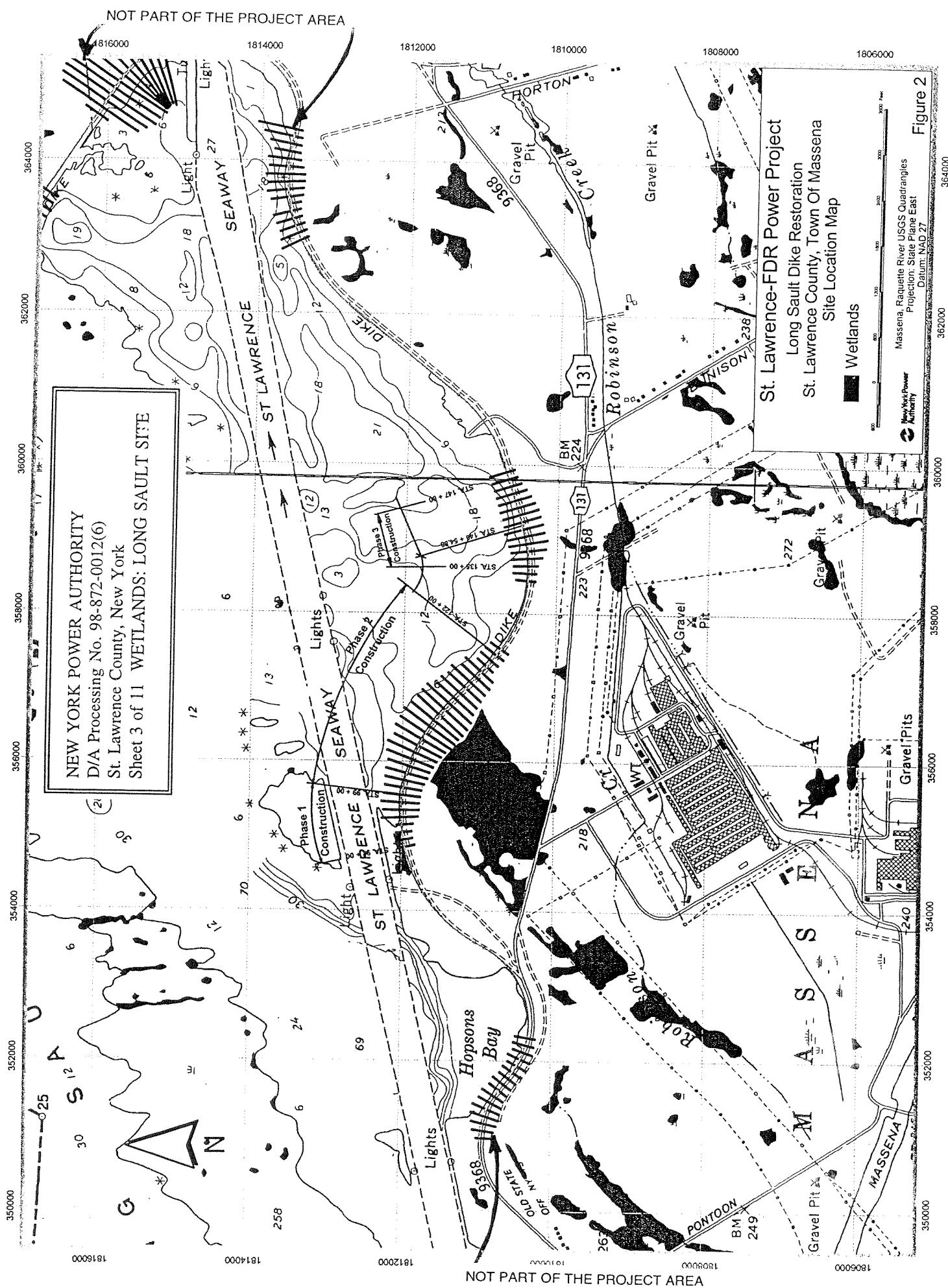
St. Lawrence County Image
Projection: UTM Zone 18
Datum: NAD 83



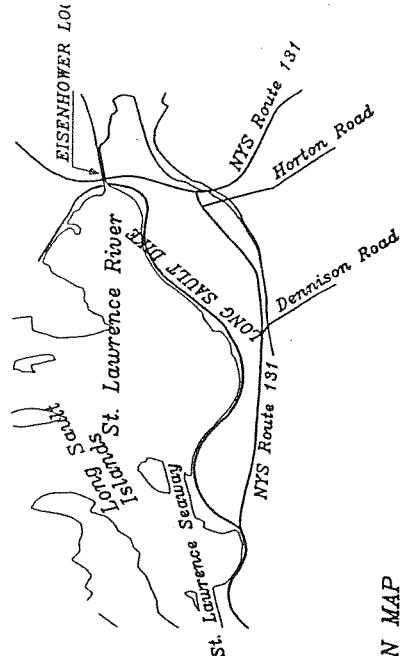
St. Lawrence-FDR Power Project
Richards Landing And Long Sault Dike Restoration
St. Lawrence County, Town Of Louisville
General Site Map

Scale: 1:250,000

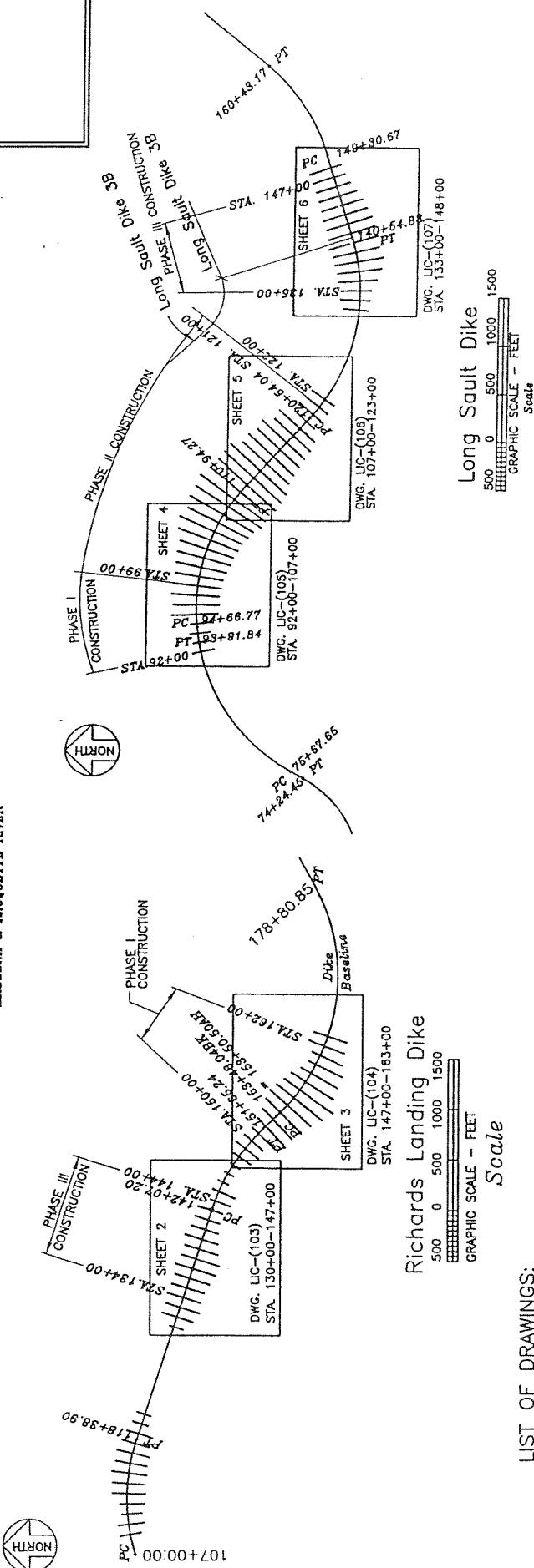
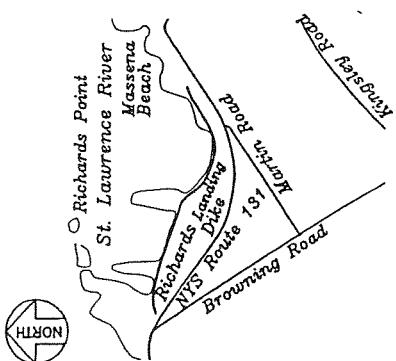




NEW YORK POWER AUTHORITY
D/A Processing No. 98-872-0012(6)
St. Lawrence County, New York
Sheet 4 of 11 KEY PLANS



LOCATION MAP
USES 7 1/2 MIN. QUAD
MASSENA & RACQUETTE RIVER



LIST OF DRAWINGS:

UC-(102)	DIKE RESTORATION - LONG SAULT AND RICHARDS LANDING DIKES - KEY PLANS - SHEET 1
UC-(103)	DIKE RESTORATION - RICHARDS LANDING DIKE - PLAN - SHEET 2
UC-(104)	DIKE RESTORATION - RICHARDS LANDING DIKE - PLAN - SHEET 3
UC-(105)	DIKE RESTORATION - LONG SAULT DIKE - PLAN - SHEET 4
UC-(106)	DIKE RESTORATION - LONG SAULT DIKE - PLAN - SHEET 5
UC-(107)	DIKE RESTORATION - LONG SAULT DIKE - PLAN - SHEET 6
UC-(108)	DIKE RESTORATION - LONG SAULT DIKE AND RICHARDS LANDING DIKE RESTORATION - DESIGN CROSS SECTIONS - CONTROL DETAILS - SHEET 7
UC-(109)	DIKE RESTORATION - TEMPORARY EROSION AND SEDIMENTATION - SHEET 8

NOTE:

1. SEQUENCE OF CONSTRUCTION SHALL BE UNDERTAKEN IN THE ORDER OF PHASE I, PHASE II AND PHASE III, RESPECTIVELY.
2. DRAWINGS WERE PREPARED BASED ON CONSTRUCTION DESIGN DRAWINGS FOR PERMIT APPLICATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION.

New York Power Authority

DIKE RESTORATION
LONG SAULT AND RICHARDS LANDING
DIKES - KEY PLANS - SHEET

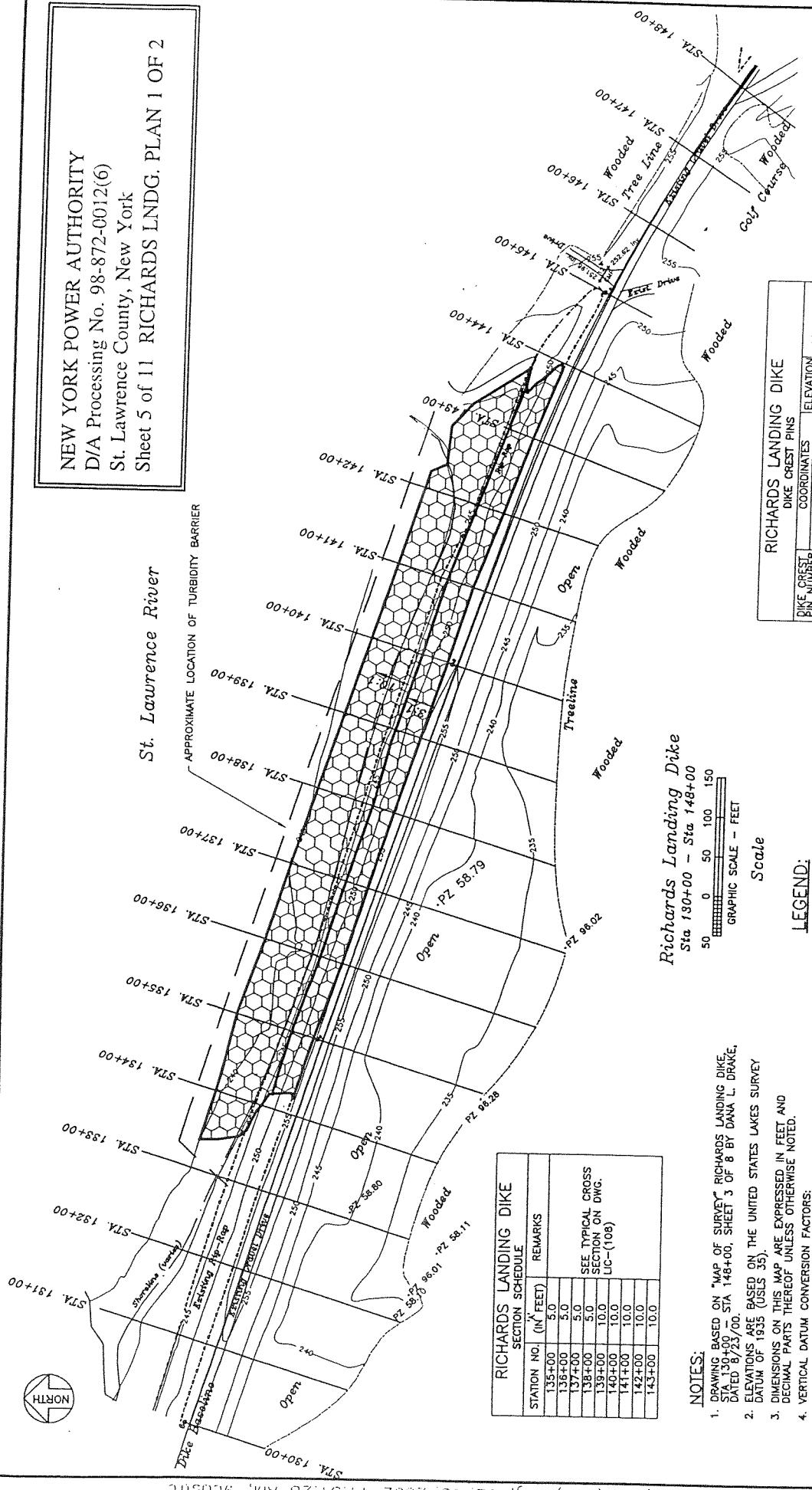
CIVIL/STRUCTURAL
SCALE AS NOTED

DRAWN/CHK'D	DIRECTOR D & D	DISCIPLINE ENG.	DISCIPLINE DR.	PROJ APPROVAL	DATE	REV
LJC-(102)						O

NEW YORK POWER AUTHORITY
D/A Processing No. 98-872-0012(6)
St. Lawrence County, New York
Sheet 5 of 11 RICHARDS LNDG. PLAN 1 OF 2

St. Lawrence River

APPROXIMATE LOCATION OF TURBIDITY BARRIER



RICHARDS LANDING DIKE

STATION NO.	(IN FEET)	REMARKS
135+00	5.0	
136+00	5.0	
137+00	5.0	SEE TYPICAL CROSS SECTION ON DWG. LIC-(108)
138+00	5.0	
139+00	10.0	
140+00	10.0	
141+00	10.0	
142+00	10.0	
143+00	10.0	

Richards Landing Dike

Sta. 130+00 - Sta. 148+00

50 0 50 100 150
GRAPHIC SCALE - FEET

Scale

LEGEND:

- Existing Index Contour
- Edge of Exist. Riprap
- 7 Dike Crest Pin

PROPOSED DIKE RESTORATION

PROPOSED DIKE RESTORATION

LIST OF DRAWINGS:

- UC-(102) DIKE RESTORATION - LONG SAULT AND RICHARDS LANDING DIKES - KEY PLANS - SHEET 1
- UC-(103) DIKE RESTORATION - RICHARDS LANDING DIKE - PLAN - SHEET 2
- UC-(104) DIKE RESTORATION - RICHARDS LANDING DIKE - PLAN - SHEET 3
- UC-(105) DIKE RESTORATION - LONG SAULT DIKE - PLAN - SHEET 4
- UC-(106) DIKE RESTORATION - LONG SAULT DIKE - PLAN - SHEET 5
- UC-(107) DIKE RESTORATION - LONG SAULT DIKE - PLAN - SHEET 6
- UC-(108) LONG SAULT DIKE AND RICHARDS LANDING DIKE RESTORATION - DESIGN CROSS SECTIONS - SHEET 7
- UC-(109) DIKE RESTORATION - TEMPORARY EROSION AND SEDIMENTATION CONTROL DETAILS - SHEET 8

NOTE:

PHASE I CONSTRUCTION SHALL PRECEDE PHASE II CONSTRUCTION.

New York Power Authority



DIKE RESTORATION
RICHARDS LANDING DIKE
PLANS - SHEET

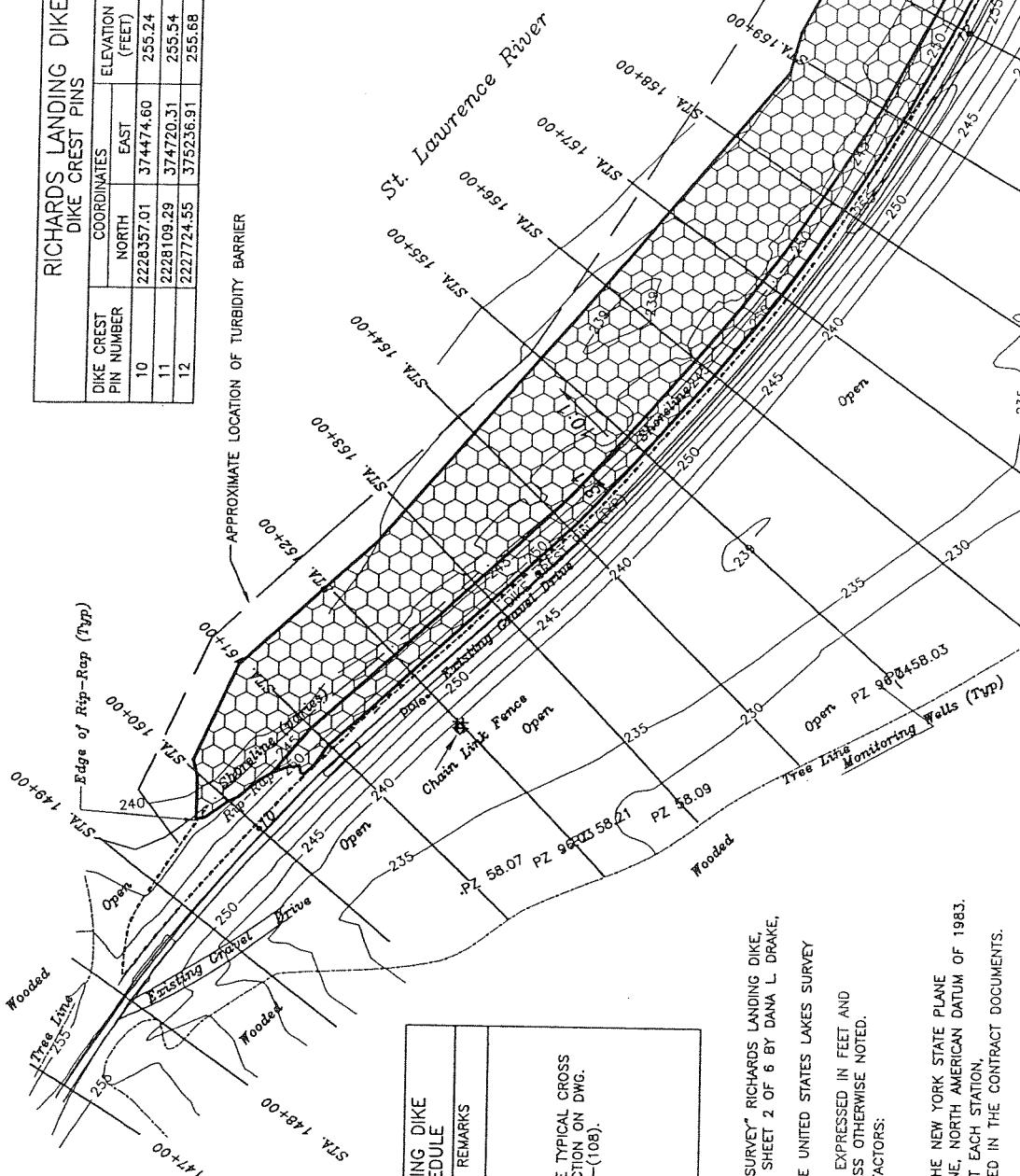
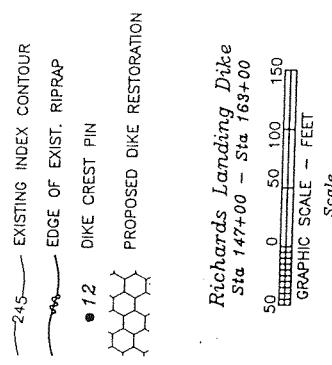
CIVIL/STRUCTURAL

SCALE AS NOTED

REV 0
DWG. NO. LIC-(103)

RICHARDS LANDING DIKE DIKE CREST PINS				
DIKE CREST PIN NUMBER	COORDINATES	ELEVATION (FEET)	STATION	
10	2228357.01	374474.60	255.24	149+99.96
11	2228109.29	3744720.31	255.54	153+51.05
12	2227724.55	375236.91	255.88	159+99.81

LEGEND:



RICHARDS LANDING DIKE
SECTION SCHEDULE

STATION NO.	(IN FEET)	REMARKS
151+00	5.0	
152+00	5.0	
153+00	5.0	SEE TYPICAL CROSS SECTION ON DWG. LIC-(108).
155+00	5.0	
156+00	5.0	
157+00	5.0	
158+00	5.0	
159+00	5.0	
160+00	5.0	
161+00	5.0	

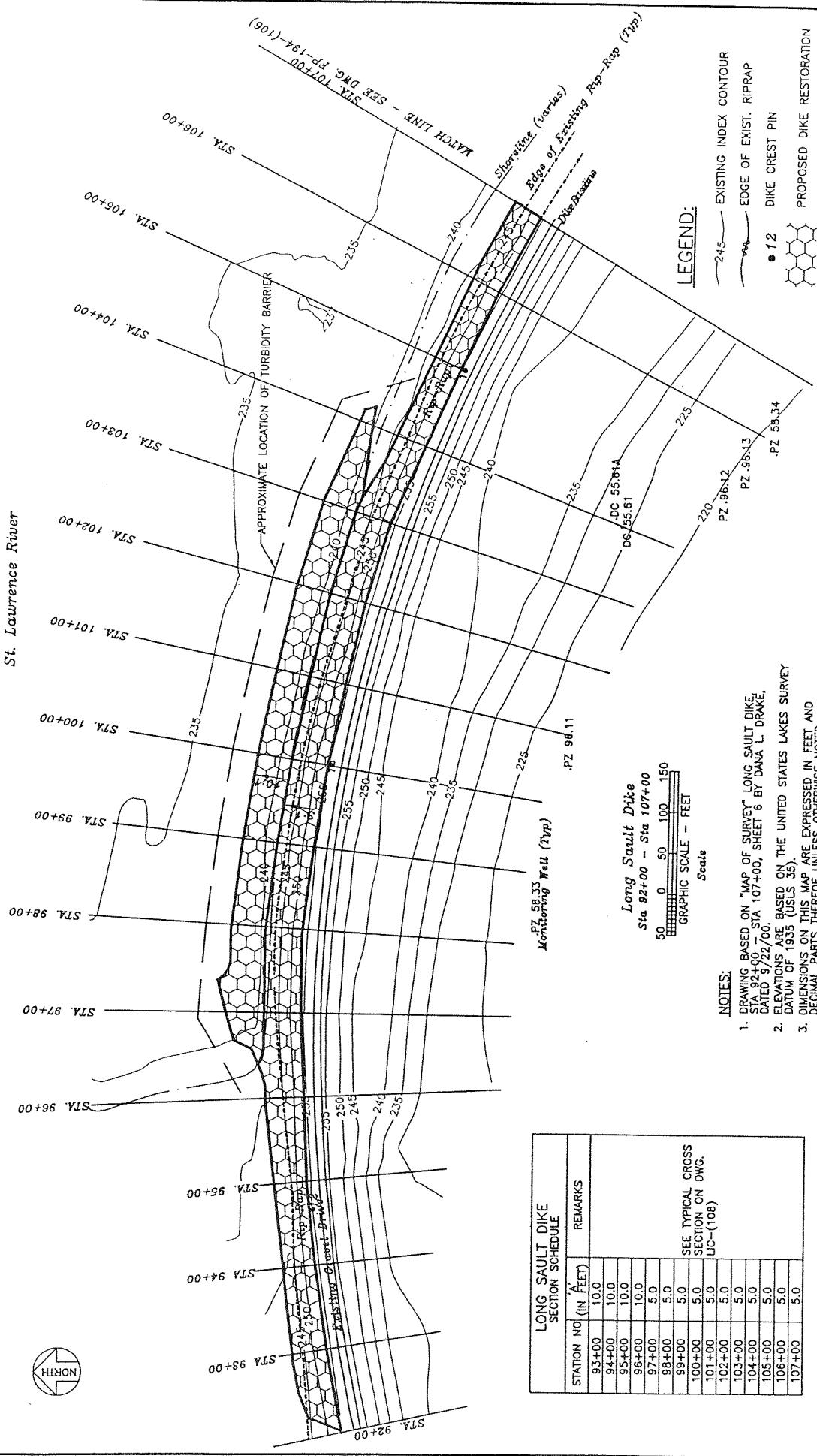
NOTES:

1. DRAWING BASED ON "MAP OF SURVEY" RICHARDS LANDING DIKE, STA 147+00 - STA 163+00, SHEET 2 OF 6 BY DANA L. DRAKE, DATED 4/21/00.
2. ELEVATIONS ARE BASED ON THE UNITED STATES LAKES SURVEY DATUM OF 1935 (USLS 35).
3. DIMENSIONS ON THIS MAP ARE EXPRESSED IN FEET AND DECIMAL PARTS THEREOF UNLESS OTHERWISE NOTED.
4. VERTICAL DATUM CONVERSION FACTORS:
USLS 35 - 0.96 = IGLD 55
IGLD 55 + 0.37 = IGLD 85
5. COORDINATES ARE BASED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983. SEE SURVEY CROSS SECTION AT EACH STATION.
6. FOR SURVEY DRAWINGS ATTACHED IN THE CONTRACT DOCUMENTS.

New York Power Authority	
DRAWN/CHK'D	DISCIPINE ENG.
DIRECTOR O & D	PROJ APPROVAL
DISCIPINE DIR.	DATE
PROJ APPROVAL	DATE
CIVIL/STRUCTURAL	
SCALE	AS NOTED
DWG. NO.	LIC-(104)
REV.	0
ST. LAWRENCE-FER POWER PROJECT MASSENA, NEW YORK	

NEW YORK POWER AUTHORITY
D/A Processing No. 98-872-0012(5)
St. Lawrence County, New York
Sheet 6 of 11 RICHARDS LNDG. PLAN 2 OF 2

St. Lawrence River



DRAWN/CHK'D	New York Power Authority	
DIRECTOR & D	EDGE OF EXIST. RIPRAP	
DISCIPLINE ENG.	● 12 DIKE CREST PIN	
DISCIPLINE DIR.	PROPOSED DIKE RESTORATION	
PROJ APPROVAL	CIVIL/STRUCTURAL	
DATE	SCALE AS NOTED	
ST. LAWRENCE-FOR POWER PROJECT MASSENA, NEW YORK		REV 0
LIC-(105)		

NEW YORK POWER AUTHORITY	
D/A Processing No. 98-872-0012(6)	
St. Lawrence County, New York	
Sheet 7 of 11 LONG SAULT PLAN 1 OF 3	



NEW YORK POWER AUTHORITY
D/A Processing No. 98-872-0012(6)
St. Lawrence County, New York
Sheet 8 of 11 LONG SAULT PLAN 2 OF 3

LONG SAULT DIKE CREST PINS		
DIKE CREST PIN NUMBER	COORDINATES (FEET)	ELEVATION STATION (FEET)
15	2236053.89	392002.22
16	2235780.97	392302.90
17	2235407.56	392271.26

LONG SAULT DIKE SECTION SCHEDULE	
STATION NO.	REMARKS
107+00	NORTH 5.0
108+00	108+00 5.0
109+00	109+00 5.0
110+00	110+00 5.0 SEE TYPICAL CROSS SECTION ON DWG.
111+00	111+00 5.0 UC-(108)
112+00	112+00 5.0
113+00	113+00 5.0
114+00	114+00 5.0
115+00	115+00 5.0
116+00	116+00 5.0
117+00	117+00 5.0
118+00	118+00 5.0
119+00	119+00 5.0
120+00	120+00 5.0
121+00	121+00 5.0

NOTES:

1. DRAWING BASED ON "MAP OF SURVEY" LONG SAULT DIKE STA 107-00 STA 123-00, SHEET 7 BY DAW L. DRAKE, DATED 9/2/00.
2. ELEVATIONS ARE BASED ON THE UNITED STATES LAKES SURVEY.
3. DIMENSIONS ON THIS MAP ARE EXPRESSED IN FEET AND DECIMAL PARTS THEREOF UNLESS OTHERWISE NOTED.
4. VERTICAL DATUM CONVERSION FACTORS: DATED OF 1935 (USGS).
5. COORDINATES ARE BASED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983.
6. FOR SURVEY CROSS SECTION AT EACH STATION, USLS 35 + 0.96' = IGLD 55 + 0.37' = IGLD 85.

SEE SURVEY DRAWINGS ATTACHED IN THE CONTRACT DOCUMENTS.

LEGEND:

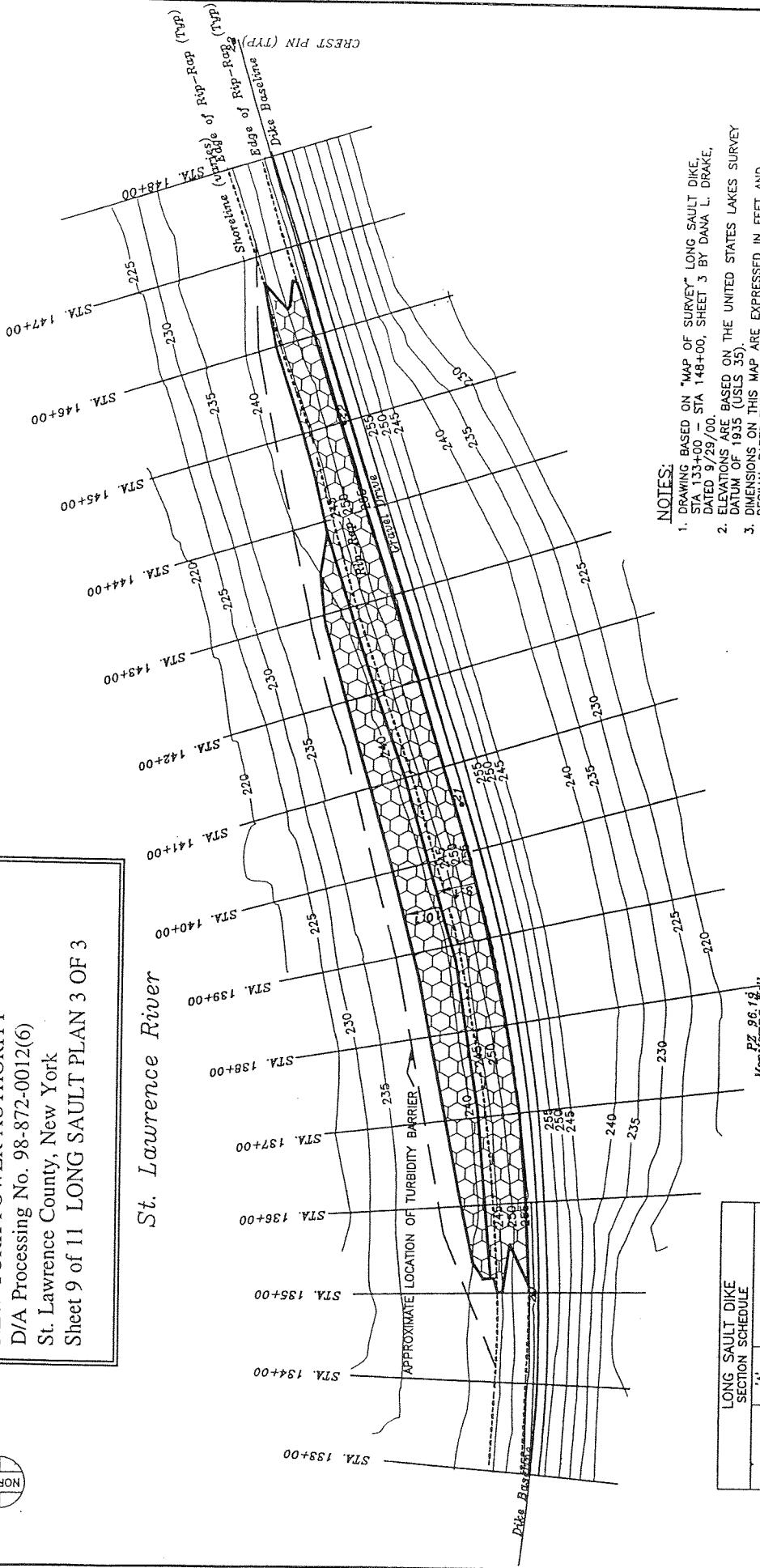


DRAWN/CHK'D	New York Power Authority		
DIRECTOR D & D	DISCIPLINE ENG.	DISCIPLINE DIR.	DIKE RESTORATION
DISCIPLINE ENG.	PROJ APPROVAL	PROJ APPROVAL	LONG SAULT DIKE
DATE	DATE	DATE	PLANS - SHEET
ST. LAWRENCE-FDR POWER PROJECT MASSENA, NEW YORK		CIVIL/STRUCTURAL	
SCALE	AS NOTED		
DWG. NO.	LIC-(106)	REV	0

NEW YORK POWER AUTHORITY
D/A Processing No. 98-872-0012(6)
St. Lawrence County, New York
Sheet 9 of 11 LONG SAULT PLAN 3 OF 3



St. Lawrence River



NOTES:

1. DRAWING BASED ON "MAP OF SURVEY" LONG SAULT DIKE, STA. 133+00 - STA. 148+00, SHEET 3 BY DANA L. DRAKE, DATED 9/29/00.
2. ELEVATIONS ARE BASED ON THE UNITED STATES LAKES SURVEY DATUM OF 1935 (USLS 35).
3. DIMENSIONS ON THIS MAP ARE EXPRESSED IN FEET AND DECIMAL PARTS THEREOF UNLESS OTHERWISE NOTED.
4. VERTICAL DATUM CONVERSION FACTORS:
USLS 35 - 0.96' = IGLD 55
IGLD 55 + 0.37' = IGLD 85
5. COORDINATES ARE BASED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983.
6. FOR SURVEY CROSS SECTION AT EACH STATION, SEE SURVEY DRAWINGS ATTACHED IN THE CONTRACT DOCUMENTS.

New York Power Authority

DRAWN/CHK'D

DIRECTOR D & D

DISCIPLINE ENG.

DIKE RESTORATION
LONG SAULT DIKE
PLANS - SHEET

CIVIL/STRUCTURAL

SCALE: AS NOTED

REV. NO. LIC-(107) 0

LEGEND:

- Existing Index Contour
- Edge of Exist. Riprap
- 1/2 DIKE CREST PIN
-

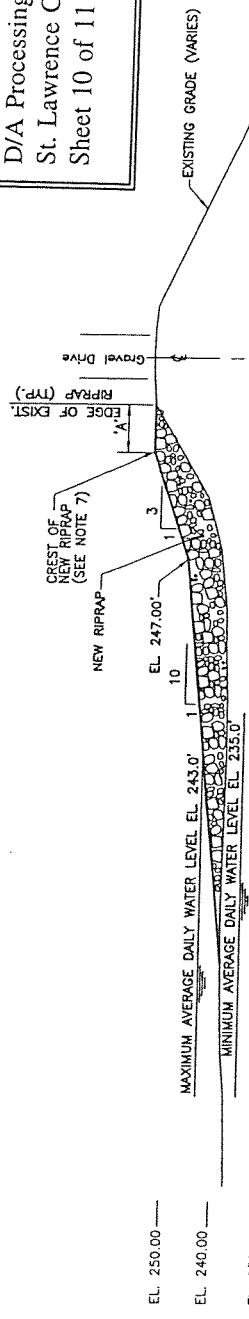
GRAPHIC SCALE - FEET

Monitoring
PZ 96.19

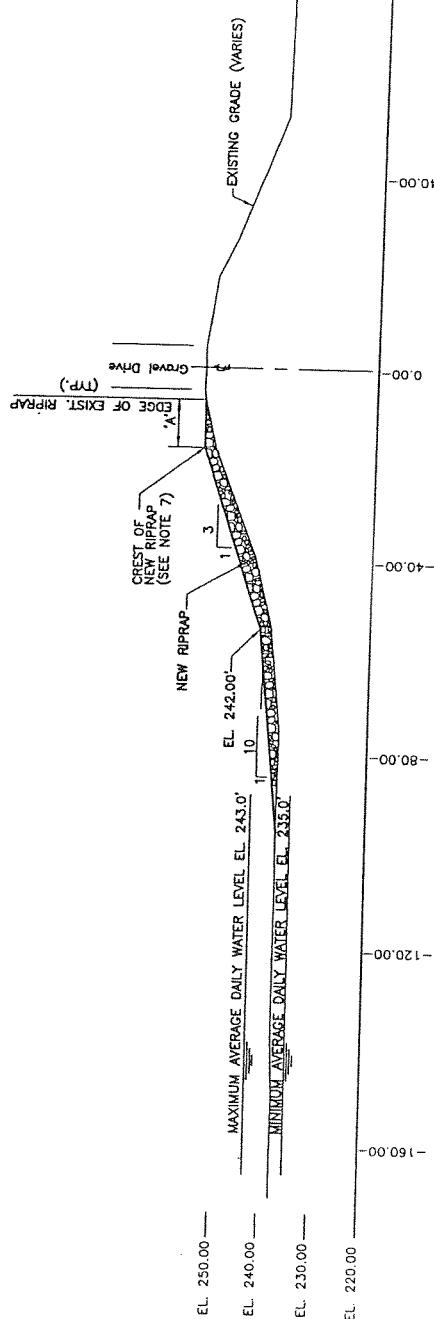
LONG SAULT DIKE				
DIKE CREST PINS				
DIKE CREST PIN NUMBER	COORDINATES	ELEVATION (FEET)	STATION	
20	NORTH 2238911.73	EAST 394028.86	256.06	134+98.30
21	2238001.09	394573.00	256.57	140+54.26
22	2235136.81	394996.44	255.69	144+98.92

LONG SAULT DIKE	
DIKE CREST PIN NUMBER	DISCIPLINE DIR.
20	PROJ APPROVAL
21	DATE
22	ST. LAWRENCE-FDR POWER PROJECT MASSENA, NEW YORK
	SCALE: AS NOTED
	DWG. NO. LIC-(107)
	REV. 0

NEW YORK POWER AUTHORITY
D/A Processing No. 98-872-0012(6)
St. Lawrence County, New York
Sheet 10 of 11 DESIGN CROSS SECTIONS



TYPICAL DESIGN SECTION FOR RICHARDS LANDING DIKE



TYPICAL DESIGN SECTION FOR LONG SAULT DIKE

NOTES:

- ALL DEBRIS AND VEGETATION ON THE EXISTING RIPRAP SHOULD BE CLEARED PRIOR TO PLACEMENT OF ROCKFILL.
- ROCKFILL PLACEMENT SHOULD COMMENCE AT THE TOE OF PROPOSED DIKE RESTORATION.
- ROCKFILL SHALL BE PLACED IN LIFTS WITH THE THICKNESS OF EACH LIFT NOT GREATER THAN FIVE (5) FEET.
- ROCKFILL MATERIAL SHALL BE DURABLE ANGULAR QUARRIED ROCKS CONFORMING WITH THE FOLLOWING GRADATIONS:

% PASSING BY WEIGHT	SIZE (INCHES)
100	18 TO 36
85	16 TO 22
50	12 TO 17
15	5 TO 7
0	3

- OSHA AND OTHER APPLICABLE AGENCY REQUIREMENTS PERTAINING TO SAFETY SHOULD BE MET DURING THE CONSTRUCTION ACTIVITIES.
- TEMPORARY EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSTALLED AS REQUIRED BEFORE THE SITE IS DISTURBED BY THE CONSTRUCTION ACTIVITIES.
- CREST OF DIKE RESTORATION SHALL HAVE THE SAME ELEVATION AS THE OUTER EDGE OF THE EXISTING RIPRAP CREST, OR BE AT EL. 254.50' WHENEVER IS LOWER.

DRAWn/CHKd	New York Power Authority		
DIRECTOR D & D			
DISCIPLINE ENG.			
DISCIPLINE DIR.			
PROJ APPROVAL			
DATE			
CIVIL/STRUCTURAL		SCALE	REV
		NT.S.	0
ST. LAWRENCE-TDR POWER PROJECT MASSENA, NEW YORK		DWG. NO.	LIC-(108)

